

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DK2004/000241

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K31/451 A61K31/4418 C07D211/22 C07D211/70 C07D407/12
A61P25/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BEILSTEIN Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	WO 03/029232 A (BANG-ANDERSEN BENNY ; PUESCHL ASK (DK); ANDERSEN KIM (DK); RUHLAND THO) 10 April 2003 (2003-04-10) claims 1,13,14	1-19
Y	----- US 4 241 071 A (ANDERSON VERNON B ET AL) 23 December 1980 (1980-12-23) claims 6,24	1-19
Y	----- US 4 198 417 A (ONG HELEN H ET AL) 15 April 1980 (1980-04-15) claims 1,54	1-19
	----- -/--	

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

28 June 2004

Date of mailing of the international search report

14/07/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Bérillon, L

INTERNATIONAL SEARCH REPORT

International Application No
PCT/DK2004/000241

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	L. MARTIN ET AL.: "Synthesis of Spiro'isobenzofuran-1(3H),4'piperidines! as Potential Central Nervous System Agents. Conformationally Mobile Analogues Derived by Furan Ring Opening" J. MED. CHEM., vol. 22, no. 11, 1979, pages 1347-1354, XP002286159 table I	1-19
A	WO 01/27068 A (HOWARD HARRY RALPH JR ; PFIZER PROD INC (US); ADAM MAVIS DIANE (US)) 19 April 2001 (2001-04-19) the whole document	1-19

INTERNATIONAL SEARCH REPORT

International application No.
PCT/DK2004/000241

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claim 18 is directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/DK2004/000241

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 03029232	A	10-04-2003	WO 03029232 A1	10-04-2003
US 4241071	A	23-12-1980	US 4414219 A	08-11-1983
			US 4311703 A	19-01-1982
			AT 57578 A	15-07-1982
			BE 863402 A1	27-07-1978
			CA 1103677 A1	23-06-1981
			DE 2802306 A1	10-08-1978
			DK 38778 A	28-07-1978
			ES 466239 A1	01-06-1979
			FI 780237 A	28-07-1978
			FR 2378770 A1	25-08-1978
			GB 1600654 A	21-10-1981
			GR 74891 A1	12-07-1984
			HU 179982 B	28-01-1983
			IL 53904 A	31-07-1981
			JP 53095963 A	22-08-1978
			NL 7800969 A	31-07-1978
			NO 780290 A	28-07-1978
			PT 67585 A ,B	01-02-1978
			SE 7801046 A	28-07-1978
			ZA 7800493 A	27-12-1978
US 4198417	A	15-04-1980	DE 2952213 A1	24-07-1980
			FR 2446283 A1	08-08-1980
			GB 2043632 A ,B	08-10-1980
			JP 55094363 A	17-07-1980
WO 0127068	A	19-04-2001	AU 769430 B2	29-01-2004
			AU 7307000 A	23-04-2001
			BG 106603 A	29-12-2002
			BR 0014733 A	11-06-2002
			CA 2387517 A1	19-04-2001
			CN 1378527 T	06-11-2002
			CZ 20021180 A3	13-11-2002
			EE 200200191 A	16-06-2003
			EP 1220831 A1	10-07-2002
			HR 20020324 A1	31-08-2003
			HU 0203448 A2	28-02-2003
			WO 0127068 A1	19-04-2001
			JP 2003511434 T	25-03-2003
			NO 20021659 A	08-04-2002
			SK 4732002 A3	03-12-2002
			TR 200201004 T2	21-11-2002
			US 2003055038 A1	20-03-2003
			ZA 200202804 A	10-04-2003
			US 6410736 B1	25-06-2002